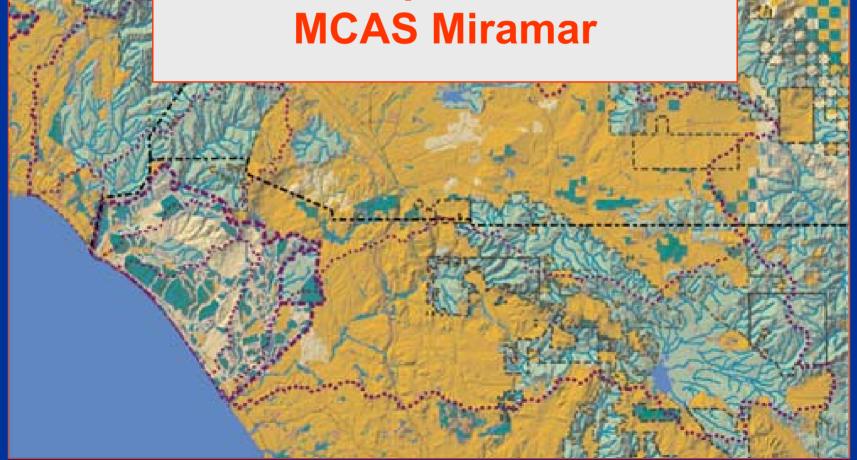


LANDSCAPE FUTURES:



Region including
MCB Camp Pendleton &
MCAS Miramar



maintaining the data needed, and of including suggestions for reducing	llection of information is estimated to completing and reviewing the collect this burden, to Washington Headquuld be aware that notwithstanding an OMB control number.	ion of information. Send comments arters Services, Directorate for Infor	regarding this burden estimate mation Operations and Reports	or any other aspect of the , 1215 Jefferson Davis	nis collection of information, Highway, Suite 1204, Arlington			
1. REPORT DATE 01 AUG 2004		2. REPORT TYPE N/A		3. DATES COVERED				
4. TITLE AND SUBTITLE		5a. CONTRACT NUMBER						
LANDSCAPE FUTURES:Region includingMCB Camp Pendleton & MCAS Miramar					5b. GRANT NUMBER			
					5c. PROGRAM ELEMENT NUMBER			
6. AUTHOR(S)					5d. PROJECT NUMBER			
					5e. TASK NUMBER			
					5f. WORK UNIT NUMBER			
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) US Marine Corps					8. PERFORMING ORGANIZATION REPORT NUMBER			
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)				
					11. SPONSOR/MONITOR'S REPORT NUMBER(S)			
12. DISTRIBUTION/AVAIL	LABILITY STATEMENT ic release, distributi	on unlimited						
	OTES 11. Department of I I, The original docum			eld in Savann	ah, Georgia on			
14. ABSTRACT								
15. SUBJECT TERMS								
16. SECURITY CLASSIFIC	17. LIMITATION OF	18. NUMBER	19a. NAME OF					
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified	ABSTRACT UU	OF PAGES 11	RESPONSIBLE PERSON			

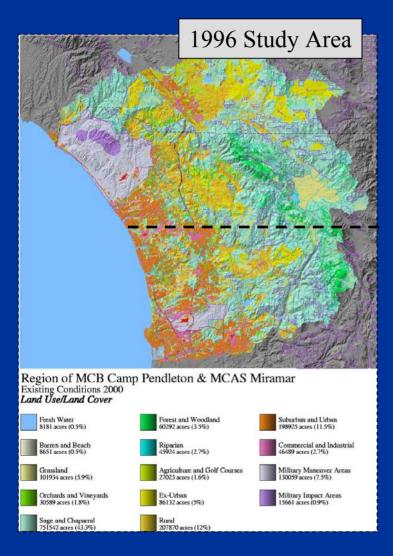
Report Documentation Page

Form Approved OMB No. 0704-0188



Study Parameters





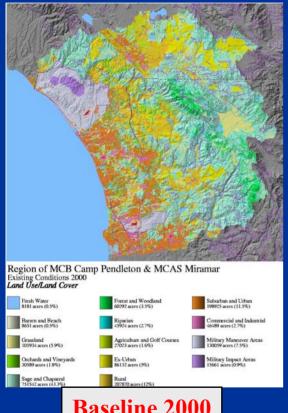
- POPULATION INCREASE
 - -500,000
 - -1,000,000
- UNCERTAINTIES
 - Water
 - Energy
 - Mass Transportation
 - Acceptance of high-density living
 - Public value of conservation



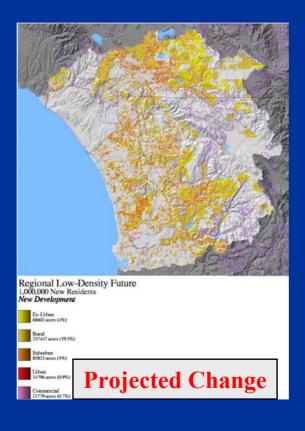
Regional Low Density



(Plus 1,000,000 Population)





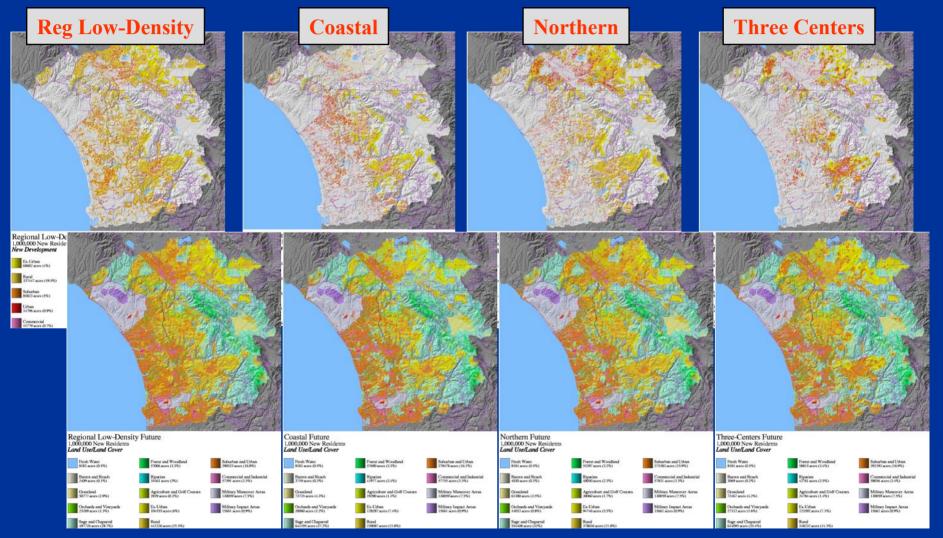






Alternative Futures '04







Percentage of Habitat on USMC Lands



SPECIES	2000	Coastal	Northern	Reg Low- Density	Three Centers	
Fairy Shrimp	70.1	81.7	79.1	82.3	70.1	
Ca gnatcatcher	33.1	37.7 36.6		50.4	34.0	
Western snowy plover	45.3	47.3	46.9	46.4	45.3	
SW willow flycatcher	18.2	19.8	21.2	23.9	20.1	
Least Bells vireo	15.9	17.5	18.5	20.8	17.6	
Cougar	9.5	10.3	12.1 12.4		10.9	
Argentine ant	5.4	4.0	3.2	3.2	3.7	



Conservation Potential



Recovery Plan Objectives

- Pacific pocket mouse
- Stephens kangaroo rat
- Vernal Pool species
- Arroyo toad



Region of MCB Camp Pendleton & MCAS Mirama Existing Conditions 2000 Pacific Pocket Mouse Vegetated Land



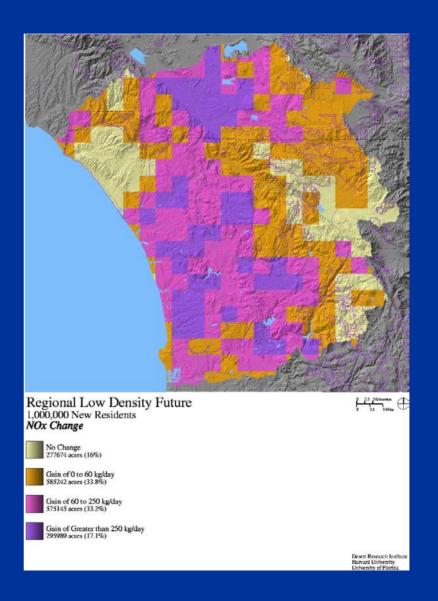


Associated Products



Air Quality

- Assessment
- Predictive Model



Predicted Max Ozone (ppb) Values

(5 simulations and episode days)

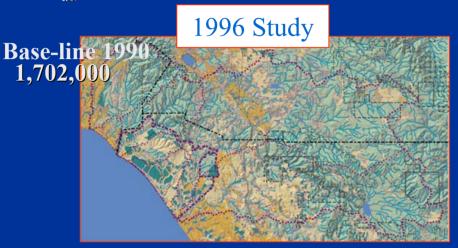
Simulations	July 7		July 8		July 9		July 10		July 11	
	Max O ₃	Diff.								
Base Case	115	-	132	-	129	-	135	-	121	-
Coastal Future (1,000k)	128	13	134	2	136	7	143	8	128	7
Northern Future (1,000k)	138	23	134	2	142	13	146	11	133	12
Regional Low Density Future (1,000k)	150	35	134	2	142	13	146	11	137	16
Three Centers Futures (1,000k)	139	24	134	2	141	12	146	11	134	13

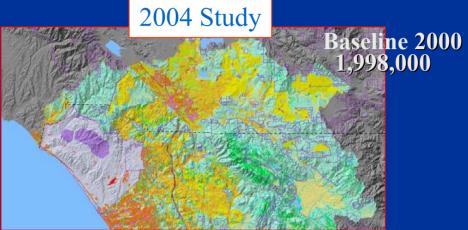


1996/2004 Assessments



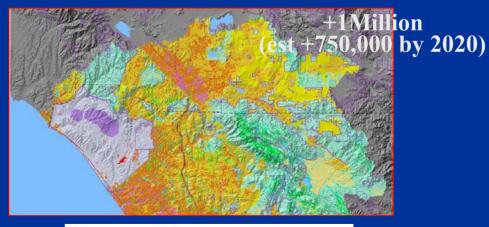
Landscape Ecological Pattern

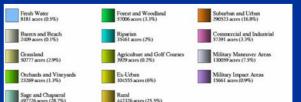










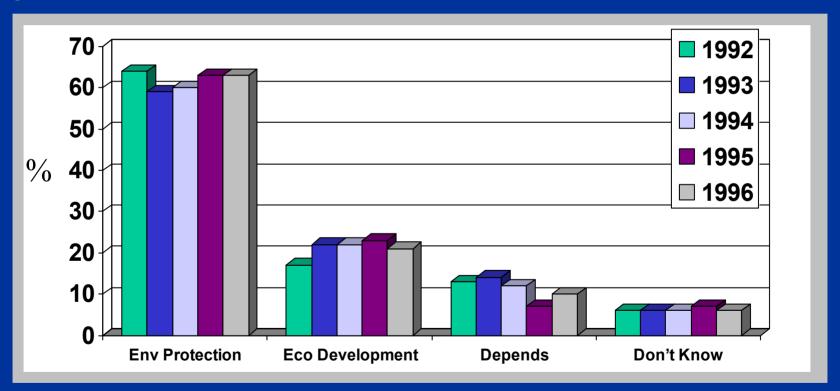




Environment Vs. Development



When it is impossible to find a reasonable compromise between economic development and environmental protection, which do you usually believe is more important: economic development or environmental protection?



National Environmental Education and Training Foundation The Fifth Annual Survey of Adult Americans December 1996

